

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	2407053
<b>Application Number:</b>	10500786
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	8458
<b>Title of Invention:</b>	PULSE TUBE COOLING BY CIRCULATION OF BUFFER GAS
<b>First Named Inventor/Applicant Name:</b>	Ralph C. Longworth
<b>Customer Number:</b>	26304
<b>Filer:</b>	Linda Chan/James Dade
<b>Filer Authorized By:</b>	Linda Chan
<b>Attorney Docket Number:</b>	SHI 19.251 (310010-00106)
<b>Receipt Date:</b>	31-OCT-2007
<b>Filing Date:</b>	02-JUL-2004
<b>Time Stamp:</b>	17:08:51
<b>Application Type:</b>	U.S. National Stage under 35 USC 371

### Payment information:

Submitted with Payment	yes
Payment was successfully received in RAM	\$ 1740
RAM confirmation Number	3204
Deposit Account	501290

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:  
Charge any Additional Fees required under 37 C.F.R. Section 1.16 and 1.17

### File Listing:

Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	SHI19251feepayment.pdf	123266 aa3566eb1413cdddc0f72634115d8cab316f3029	no	1

**Warnings:**

**Information:**

2	Fee Worksheet (PTO-06)	fee-info.pdf	8327 76f15aee014dc41ddad75f6b3ca2a5e1c27242e	no	2
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**Warnings:**

**Information:**

<b>Total Files Size (in bytes):</b>	131593
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This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.